Notice of Allowability	Application No.	Applicant(s)	
	10/074,114	BUSSAN ET AL.	
	Examiner	Art Unit	
	Anthony S. Addy	2681	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *01/28/2005*.

2. ☒ The allowed claim(s) is/are *1-16*.

3. ☒ The drawings filed on *11 February 2002* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Anthony S. Addy
08/03/2005

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-16 are allowed.

2. The following is a statement of reasons for the indication of allowable subject matter:

The present invention is directed to a method to control entrance to, and exit from, a sleep mode in a communication device to reduce current drain in the communication device by synchronizing processing tasks together to be performed during a wake-up period.

The instant invention with respect to claims 1, 8 and 13, teaches a method of coordinating events in a microprocessor-based electronic device, identifying the uniquely distinct features "determining a list of event times to perform associated operating system events that require exiting sleep mode and entering a wake-up period to perform the event tasks; and delaying the event time for at least one of the operating system events to align with a communication event such that the communication device utilizes one wake-up period to perform both of the at least one of the operating system event and the communication event."

The closest prior art, **Yu et al., U.S. Patent Number 6,735,454** teaches techniques for activating a high frequency clock following a sleep period within a mobile station of a mobile communications system employing slotted paging (see col. 1, lines 10-14), wherein the active mode clock is activated at a wake-up time closely in synchronization with a next paging slot and significant power savings are achieved as

compared with systems wherein the active-mode clock must be activated well in advance of the next paging slot to compensate for possible timing errors (see col. 4, lines 42-49). However, Yu fails to anticipate or render the above underlined limitations in combination with all the recited limitations of claims 1, 8 and 13 obvious, over any of the prior art of record, alone or in combination.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Pattabiraman et al., U.S. Publication Number 2005/0164637 A1 discloses method for reducing power consumption in Bluetooth and CDMA modes of operation.

Taylor et al., U.S. Patent Number 6,865,683 discloses system and method for powering down a mobile device.

Lee et al., U.S. Patent Number 6,741,836 discloses dual mode Bluetooth/wireless device with power conservation features.

Brakmo et al., U.S. Patent Number 6,816,977 discloses power reduction in computing devices using micro-sleep intervals.

Jain et al., U.S. Publication Number 2004/0225907 A1 discloses sleep state transitioning.

Anderson, U.S. Patent Number 6,189,106 discloses method and apparatus for operating an electronic device at an optimal power mode based upon a scheduled event.

Chou et al., U.S. Patent Number 5,902,352 discloses method and apparatus for task scheduling across multiple execution sessions.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony S. Addy whose telephone number is 571-272-7795. The examiner can normally be reached on Mon-Thur 8:00am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Anthony S. Addy
August 5, 2005

TEMICA BEAMER
PRIMARY EXAMINER
8/7/05